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NO. 773 P. 1

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From: Peter Yim

Date: May 18, 2004

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Comments:

Re: U.S. Patent Application Serial No. 10/735,212
For: PARAMETRIC OPTIMIZATION OF OPTICAL
METROLOGY MODEL
By: Junwei BAO et al.
Our Reference: 50998-20058.00

Attached are the following:

1. Transmittal (1 page)
2. Fee Transmittal (in duplicate, 2 pages)
3. Request for a Corrected Filing Receipt (2 pages)
4. Supplemental Application Data Sheet (3 pages)
5. Marked-up Filing Receipt (2 pages)

PTO/SB/21 (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

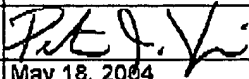
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<h1 style="text-align: center;">TRANSMITTAL FORM</h1> <p style="text-align: center;">(to be used for all correspondence after initial filing)</p>		Application Number	10/735,212
		Filing Date	December 12, 2003
		First Named Inventor	Junwei BAO
		Art Unit	2857
		Examiner Name	Not Yet Assigned
Total Number of Pages in This Submission	10	Attorney Docket Number	509982005800

ENCLOSURES (Check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form (PTO/SB/17) (in duplicate, 2 pages) <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): 1. Request for Corrected Filing Receipt (2 pages); 2. Supplemental Application Data Sheet (3 pages); and 3. Marked-up Filing Receipt (2 pages)
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	MORRISON & FOERSTER LLP (Customer No. 20872) Peter J. Ylm - 44,417
Signature	
Date	May 18, 2004

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Dated: May 18, 2004

Signature:  (Laura Tsang)

sf-1701119

PTO/SB/17 (10-03)

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**FEE TRANSMITTAL
for FY 2004**

Effective 10/01/2003, Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$) 25.00**Complete if Known**

Application Number	10/735,212
Filing Date	December 12, 2003
First Named Inventor	Junwei BAO
Examiner Name	Not Yet Assigned
Art Unit	2857
Attorney Docket No.	509982005800

METHOD OF PAYMENT (check all that apply)☐ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None☐ Deposit Account:

Deposit Account Number

03-1952

Deposit Account Name

Morrison & Foerster LLP

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid
1001	770	2001	385	Utility filing fee	
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1) (\$) 0.00**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims	Extra Claims	Fee from below	Fee Paid
66	-56** =	x	0.00
Independent Claims	7	-7** =	0.00
Multiple Dependent			

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid
1202	18	2202	9	Claims in excess of 20	
1201	88	2201	43	Independent claims in excess of 3	
1203	290	2203	145	Multiple dependent claim, if not paid	
1204	88	2204	43	** Reissue independent claims over original patent	
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent	

SUBTOTAL (2) (\$) 0.00

**or number previously paid, if greater. For Reissues, see above.

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for expedite reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	280	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	840	2503	320	Plant issue fee	
1460	180	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(g)	
1806	180	1906	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	
Other fee (specify)				Corrected Filing Receipt	25.00

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 25.00**SUBMITTED BY**

(Complete if applicable)

Name (Print/Type) Peter J. Yim

Registration No. (Attorney/Agent) 44,417

Telephone (415) 268-6373

Signature

Peter J. Yim

Date

May 18, 2004

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Dated: May 18, 2004

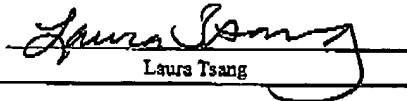
Signature: Laura Tsang (Laura Tsang)

sf-1702109

PATENT
Docket No. 509982005800

CERTIFICATE OF FACSIMILE TRANSMISSION

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Laura Tsang

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Junwei BAO et al.

Serial No.: 10/735,212

Filing Date: December 12, 2003

For: PARAMETRIC OPTIMIZATION OF
OPTICAL METROLOGY MODEL

Examiner: Not Yet Assigned

Group Art Unit: 2857

REQUEST FOR CORRECTED FILING RECEIPT

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

Please furnish the undersigned with a Corrected Filing Receipt for the above-identified application. The correction needed is as follows. Under "Title," please replace "Parametric optimization of optical metrology" with "Parametric optimization of optical metrology model."

It has been determined that this mistake occurred on the part of the applicant. Hence, attached in duplicate, is PTO/SB/17 (Fee transmittal) to cover the fees associated with the Filing

sf-1701096

of this request. An amended Application Data Sheet is attached. Additionally, a copy of the marked-up Filing Receipt is also attached in support of this request.

In the unlikely event that the transmittal letter is separated from this document and the Patent Office determines that an extension and/or other relief is required, applicant petitions for any required relief including extensions of time and authorizes the Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to Deposit account no. 03-1952 referencing 509982005800. However, the commissioner is not authorized to charge the cost of the issue fee to the deposit account.

Dated: May 18, 2004

Respectfully submitted,

By: 

Peter J. Yim
Registration No. (44,417)

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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/735,212	12/12/2003	2857	1762	509982005800	18	56	7

CONFIRMATION NO. 1775

20872
 MORRISON & FOERSTER LLP
 425 MARKET STREET
 SAN FRANCISCO, CA 94105-2482

RECEIVED

FILING RECEIPT



OC000000012165950

MAR 26 2004

MORRISON & FOERSTER

Date Mailed: 03/23/2004

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Junwei Bao, Fremont, CA;
 Vi Vuong, Fremont, CA;
 Manuel Madriaga, Santa Clara, CA;
 Daniel Prager, Hopewell Junction, NY;

Domestic Priority data as claimed by applicant

Foreign Applications

If Required, Foreign Filing License Granted: 03/23/2004

Projected Publication Date: 08/16/2005

Non-Publication Request: No

Early Publication Request: No

Title

Parametric optimization of optical metrology *Model*

Preliminary Class

DC 00000000

ajr

702

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Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15**

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